

SHAPIRO, S.L.; NAUMOVA, M.A.; GOLDBERG, S.V.

Role of children's hospitals in the struggle against dysentery.
Pediatriia no.5:73-78 My '67 (MIRA 10 10)

1. Iz Moskovskoy detskoy klinicheskoy bol'nitsy imeni I.V.Rusakova
(glavnyy vrach - zasluzhennyy vrach RSFSR dotsent V.A.Krazhkov)
(CHILDREN--HOSPITALS AND ASYLUMS) (DYSENTERY)

SHAPIRO, S.L.; GOL'DBERG, R.V. (Moskva)

Working experience in a ward for convalescents following acute
dysentery. Sov.zdrav. 20 no.5:29-32 '61. (MIRA 14:5)

1. Iz detskoy gorodskoy klinicheskoy bol'nitsy imeni M.V.Rusakova
(glavnyy vrach - zasluzhennyy vrach RSFSR dotsent V.A. Kruzhkov).
(DYSENTERY)

MATAKSI, T. [Mataxis, T.], polkovnik; GOLDBERG, S., podpolkovnik;
ALEKSANDROV, I.A. [translator]; GROMOV, Yu.Ye. [translator];
PETROV, V.G. [translator]; TSYGICHKO, N.P., red.; NEPODAYEV,
Yu.A., red.; IOVLEVA, N.A., tekhn.red.

[Pentomic Divison; tactics, armaments and firepower of the pentomic
division, battle groups and companies operating under conditions
of atomic warfare] Pentomicheskaja diviziia; taktika, vooruzhenie
i ognevaia moshch' pentomicheskoi divizii, boevoi gruppy i roty v
usloviakh primeneniia iadernogo oruzhiia. Pod red. N.P.TSygichko.
Moskva, Izd-vo inostr.lit-ry, 1959. 345 p. Translated from the
English. (MIRA 13:6)

(United States--Army) (Atomic warfare)

LOPOVOK, L.; GOL'DBERG, S.

New types of window and door fixtures. Stroi. mat., izdel. i
konstr. 1 no. 4:27-29 Ap'55. (MIRA 8:10)

1. Rukovoditel' arkhitekturno-proyektnoy masterskoy Ministerstva
promyshlennosti stroitel'nykh materialov (for Lopovok). 2. Upra
lyayushchiy trestom "Santekhoribor " (for Gol'dberg)
(Building fittings)

GOL'DBERG, S.

Dictated by duty. Metallurg 8 no.2:14 F '63. (MIRA 16:2)

1. Azovskiy stateplavil'nyy zavod im. Serge Ordzhonikidze
v Zhdanove.

(Iron and steel workers)

L 32781-66

ACC NR: AP6023801

SOURCE CODE: PO/0022/65/000/008/P253/P254

AUTHOR: Horodyski, R. (Master engineer); Goldberg, S. (Master engineer)

ORG: Magnetic Measurements Laboratory, Magnetic Components Works, Tele- and Radio Engineering Institute (Pracownia Miernictwa Magnetycznego Zakladu Podzespolow Magnetycznych Instytutu tele- i Radiotechnicznego)

TITLE: Instrument for measuring the loss factor of transformer cores

SOURCE: Przegląd telekomunikacyjny, no. 8, 1965, Supplement, 253-254

TOPIC TAGS: electric measuring instrument, electronic circuit

ABSTRACT: The article describes the principle and operation of a novel instrument developed at the Institute for measuring the loss factor of E-type transformer cores. Its basic components are a Maxwell-Wien bridge somewhat modified, a test yoke, a selective balance indicator and supply circuits. The measurement consists of determining the real and imaginary components of the bridge circuit impedance which signify the losses and the susceptibility respectively. A pictorial view and a schematic diagram of the device are shown, technical performance data are listed. Orig. art. has: 3 figures and 2 formulas. [JPRS]

SUB CODE: 09 / CUM DATE: none

Card 1/1 JS

GOLDBERG, J.

In the period of January 1962 to 1963, (MIRA 18:10)
1. Laboratory of the U.S. Army, "Agrostal", named
"Agrostal".

L 58961-55 EEG(m)/EEG(k)-2/EMA(h)

ACCESSION NR: AP4043967

PC/0022/64/000/07-/0233/0239

AUTHOR: Goldberg, S. (Master Engineer)

TITLE: Instrument for measuring the components of the complex magnetic permeability of ferrites at weak fields in the 110 -- 170 Mc frequency range

SOURCE: Przegląd telekomunikacyjny, no. 7-8, 1964, 238-239

TOPIC TAGS: ferrite magnetic permeability, magnetic permeability measurement, ferrite permeability measurement, resonance field

ABSTRACT: The paper describes an instrument, shown schematically in Fig. 1 of the Enclosure, designed and produced in the Pracownia Miernictwa Magnetycznego Zakładu Podzespolow Magnetycznych ITR (Laboratory of Magnetic Measurements, Department of Magnetic Subsystems, Institute of Tele and Radio Engineering) for the measurement of the components of the complex magnetic permeability of ferrites in weak fields in the 110-170 Mc frequency range. An annular ferrite sample is inserted into the resonator as shown. The couplings between the oscillator and the resonator and between the resonator and the detector are so weak that the amplitude and frequency of the energizing signal are independent of resonator tuning. For small perturbations of the resonator field, due to the presence of the sample, the change in the resonant length of the coaxial line, as shown

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L 64961-65

ACCESSION NR: AP4043967

in Fig. 2, is proportional to $(\mu_1 - 1)$ of the ferrite. The increase in the width of the resonant curve is proportional to the imaginary component μ_2 of the ferrite under test. In order to simplify calculations, the frequency shift of the resonant curve due to the presence of the sample, is referred to as the frequency shift due to a metallic ring of the same size. Inside the metal ring (silver-plated copper or brass) $\mu = 0$. The components of the complex permeability are calculated by the formulas:

$$\text{real component } \mu_1 = \frac{\delta l_F}{\delta l_M} + 1$$

$$\text{Imaginary component } \mu_2 = \frac{\Delta l_F - \Delta l_0}{2\delta l_M}$$

$$\text{where } \frac{\delta l_F}{\delta l_M} = \frac{l_0 - l_F}{l_0 - l_M}$$

l_0, l_M, l_F are the length of the empty resonator, containing metallic ring, and containing the ferrite sample, respectively. $\Delta l_0, \Delta l_F$ are the width of the resonance curve of the empty resonator and of the resonator containing the ferrite sample, respectively, at the points where

$$\frac{U_m}{\sqrt{2}}$$

The technical data of the

Card

2/6

1. 61962-55

ACCESSION NR: AP4043967

instrument are as follows: frequency range: 110 — 170 Mc; resonator length: maximum 670 mm; minimum 420 mm.

Accuracy of measurement: $\mu_1 - \pm 5\%$

$\mu_2 - \pm 10\%$.

Maximum dimensions of ferrite samples:

Outside diameter ≤ 40 mm.

Inside diameter ≥ 15 mm.

Sample height $h \leq 20$ mm.

Orig. art. has: 3 figures and 2 formulas.

L 61961-65

ACCESSION NR: AP4043967

ASSOCIATION: None

SUBMITTED: 00

ENCL: 02

SUB CODE: EM

NO REF SOV: 000

OTHER: 000

Card 4/6

L 64961-55

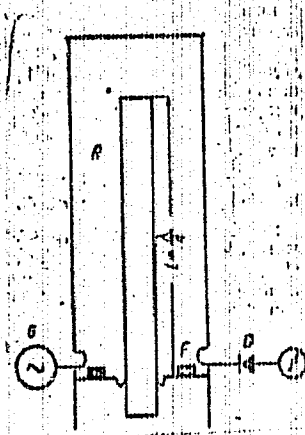
ACCESSION NR: AP4043967

ENCLOSURE: 01

FIGURE 1.

Schematic of the instrument:

G - oscillator
D - detector
F - ferrite sample
R - resonator

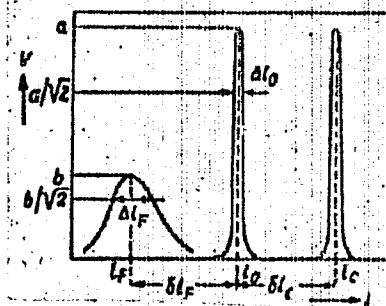


L 64961-55

ACCESSION NR: AP4043967

ENCLOSURE: 02

FIGURE 2.



Variation $\delta l_F + \delta l_m l_0$ of the length of a quarter-wave coaxial line after the ferrite or metallic sample is inserted.

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GOLDBERG, S.A.

Additional grid bars in a PS-1 feeder-mixer. Obs. tech. copyt.
[MLP] no. 16:4-5 '56. (MIRA 11:11)
(Cotton gins and ginning)

1. GOL'DBERG, S. I.
2. USSR (SAC)
4. Feeding and Feeding Stuffs - Analysis; Ensilage
7. Determining aeration in silage. Sov. vostochn. 7, No. 3, 1962. Vsesoyuznyy Nauchno-Issledovatel'skiy Institut Kormleniya Sel'skokhozyaystvennykh zhivotnykh
9. Monthly List of Russian Acquisitions, Library of Congress, June 1962, Unclassified.

CHURCHMAN, A. A., CHURCHMAN, A. A., CHURCHMAN, S. A.

Feeling and Reading Smith's

New method of preparing protein-vitamin feeds. Sov. zashch. zhiv. 7, 1962.
Vsesoyuznyy Nauchno-Issledovatskiy Institut i Vsesoyuznaya Sel'skokhozyaystvennaya
Zhivotnovodstvo

Monthly list of major expenditures (from 1st January, 1960 to 31st March, 1961).

GOL'DBERG, S.G.

Agrochemical laboratory. Zemledelie 23 no.1:66-67 Ja '61.
(MIRA 13:12)
(Agricultural chemistry)

GOL'DBERG, S.G.

Modified Tiurin-Kononova method for determining readily hydrolyzing nitrogen [with summary in English]. Pochvovedenie no.3:101-102
Mr '61. (MIA 14:3)

1. Agrokhimicheskaya laboratoriya Vystavki dostizheniy narodnogo khozyaystva SSSR.
(Soils--Nitrogen content)

POKARVICH, A. I.; LEVASHOVA, N. I.; GOLDBERG, I. I.; POPOV, I. M.

Materials on the study of ectoparasitism. Report No. 11. Further data on laboratory diagnosis of leishmaniasis. Trudy Len. inst. epid. i mikrobiol. 9:104-111, 1961. (MIR, 1962)

1. Iz laboratorii po izucheniyu leishmaniozov Instituta im. Gilyera (sov. laboratorii K. N. Tolstovskiy)
(Leningrad--YSIU'S DISSEM)

GOL'DBERG, S.I.

Complement fixation reaction in leptospiral jaundice. Zhurn. mikrobiol.
epid. i imm. no.):77-81 Mr '54. (MLRA 7:4)

1. Iz leptospiroznoy laboratorii (zaveduyushchiy K.N.Tokarevich) In-
stitutu epidemiologii i mikrobiologii im. Pastera (direktor N.P.Ivanov).
(Weil's disease) (Complement, Fixation)

Col 08886

Country : USSR
 Category: Virology. Viruses of Man and Animals.
 Rickettsias.

E

Iss Date: Ref Zhur-Med., No 12, 1958, No 103576

Author : Krasnik, F.I.; Gal'dberg, S.I.

Inst : -

Title : Experience in Examining Leningrad Gray Dogs for
 Rickettsial Disease.

Orig Pub: Sb. Rikettsiozy. Leningrad, 1958, 73-78.

Summary: No abstract.

Card : 1/1

BIRYUKOV, A.A.; GOL'DBERG, S.M.

Results of the growth of the sanitary engineering industry
during the last 40 years. Vod. i san. tekhn. no.11:1-7 N '57.
(MIRA 10:12)

(Sanitary engineering--History)

AUTHORS: Balkevich, V.L., Golberg, S.M.

TITLE: Accelerated Control Method of Burning Powdery Technical Alumina
(Uskorennyy metod kontrolya obsnaga poroshkovnogo
tekhnicheskogo glinozema)

PERIODICAL: Ogneupory, 1966, No 4, pp. 171-175 (USSR)

ABSTRACT: The degree of condensation of technical alumina in burning is connected with the modification transformation of γ -alumina into the α -form as well as with the condensation of individual alumina-spherulites at high temperatures. Usually the specific weight of α -alumina is given as being 3.99-4.01 g/cm³ and that of γ -alumina as being 3.47 g/cm³. Table 1 mentions values given in publications without, however, giving a more detailed description of the method of determination. The milieu, however, in which the specific weight of the alumina was determined, exercises considerable influence on the measuring result. A number of authors, when investigating the dependence of alumina properties on the temperature of burning, found that the modification of the filling weight is governed by certain rules (see table). G.A. Vydrik determined the filling weight

Card 1/3

Accelerated Control Method of Burning Powdery
Technical Alumina

131-58-4-9/17

of alumina with the exclusion of the pore volume between the spherulithes (assumed to be 60%), and obtained 1.75 g/cm^3 for non-burnt alumina (up to 1750°), and 1.32 g/cm^3 for burnt alumina (up to 1760°). The absolute values of the filling weights of alumina when burnt at equal temperatures do, however, not agree, which may be explained by different powder dispersion, the shape of particles, and the difference in the methods of determination. Fig. 1 shows the modification of the specific and of the filling weight of alumina in dependence on burning temperature. The accelerated method of determining the condensation of alumina is based on a comparative modification of its filling weight during burning which depends on the modification of the specific weight and the condensation of individual spherulithes. Furthermore the determination of the specific and of the filling weight is described. The filling weight of alumina is carried out by means of a device shown in fig. 2 in form of a schematical drawing. Table 2 gives the values of the filling weight of alumina at different burning temperatures and determined by the recommended method. These filling weights may be used for the purpose of characterizing the degree of condensation of alumina during burning. There are 2

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Accelerated Control Method of Burning Powdery
Technical Alumina

31-58-1-9/11

figures, 3 tables, and 5 references, 3 of which are Soviet

ASSOCIATION: Khimiko-tekhnologicheskii Institut im. Mendeleyeva (Chemical-
Technological Institute imeni Mendeleyev)

Card 3/3

GOL'DBERG, S.M., inzh; NOVOSEL'SKIY, N.L. inzh.

New efficient accessories for windows and doors. Stroi. Mat. 7
no.2:35-40 F '61. (MIRA 14:3)
(Windows) (Doors)

ABKIN, Yu.A., inzhener; GOL'DBERG, Sh.M., inzhener.

Parts of drill cores used in geological prospecting. Standartizatsiia
no.1:48 Ja-F '57. (MLRA 10:5)
(Boring machinery--Standards)

GOI'DBERG, S.N.

Device for determining the deflection of horizontal oil tanks.
Neft. khoz. 38 no.3:59-61 Mr '60. (MIRA 13:7)
(Tanku)

SOV/137-58-10-21207

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 110 (USSR)

AUTHOR: Gol'dberg, S. Z.

TITLE: Investigations on the Selection of a Solder with a High Melting Point for Bonding of Syringe Components (Issledovaniya po vyboru tugoplavkogo pripora dlya payki shpritsev)

PERIODICAL: Materialy po obmenu opytom i nauchn. dostizh. v med. prom-sti, 1957, Nr 6 (25), pp 86-91

ABSTRACT: The VNIIMiO laboratory on metallography and mechanical testing developed a solder (S) for purposes of connecting the metal fitting of the "Rekord" syringe to its cylindrical glass body; the S contains 80% Pb, 10% Sn, and 10% Bi and has a melting point of 235-260°C. The bonding is accomplished by pouring the liquid S in special devices developed by the Institute. In the process, the S is heated to a temperature of 280-320°, while the rings and tips of the syringes are heated to 220°. The employment of the S permits sterilization of syringes by boiling in water and in an air chamber at temperatures of 160-170°, and extends their leakage-free service life after sterilization to 300-700 hours. The service life of

Card 1/2

SOV/137-58-10-21207

Investigations on the Selection of a Solder (cont.)

syringes turned out at the present time does not exceed 100 hours of boiling.
Bibliography: 12 references.

1. Soldering alloys--Selection 2. Soldering alloy---operating factor^{V. S}
3. Syringes--Production

GOL'DBERG, T.

Gol'dberg, T. "Cystitis dissecans gangraenescens," Trudy med. fak. Kaunassk. un-ta, Vol. I, 1948, p. 293-311. In Lithuanian, Russian abstract - Bibliog: 10 items.

SO: U-2886, Letopis Zhurnal'nykh Statey, No. 1, 1949

2

4

地址：天津法租界

KOSTRYUKOV, Valentin Andreyevich; NINEMYAGI, D.K., red. ind-va;
GOL'DBERG, T.M., tekhn. red.

[Collection of examples of calculations for heating and
ventilation] Sbornik primerov rascheta po otopleniu i
ventiliatsii. Moskva, Gosstroizdat. Pt.2. [Ventilation]
Ventiliatsiia. 1962. 198 p. (MIRA 15:11)
(Ventilation)

SOV/111-58-4-15/34

AUTHORS: Lokshin, L.G., Chief of the Plan-Production Section of MGRS;
Gol'dberg, T.S., Senior Engineer-Economist of MGRS

TITLE: Technical-Economic Effectiveness of Introducing New Engineering Achievements (Tekhniko-ekonomicheskaya effektivnost' vnedreniya novoy tekhniki)

PERIODICAL: Vestnik svyazi, 1958, Nr 4, p 13 - 15 (USSR)

ABSTRACT: The authors analyze the economic successes achieved from 1950 to 1957 by applying modern engineering methods and equipment in the Moskovskaya gorodskaya radiotranslyatsionnaya set' - MGRS (Moscow City Radio Relay Network). During these years, all new constructions of lines and stations were financed from the local budget. The prime cost for operating one loudspeaker was reduced from 18.18 rubles in 1951 to 4.88 rubles in 1957. A good deal of this reduction was achieved by saving material for the operation and maintenance of the installations. The Moscow City Radio Relay Network is a highly profitable organization. In 1957, a profit of 4.44 rubles was made for each ruble spent. There are 4 graphs.

Card 1/2

GOL'DBERG, V.A. (Taldy-Kurgan)

Problem of anhypertensive chronic nephritis. Klin.med. 36
no.10:114-116 O '58 (MEDA 11:11)

1. Iz Taldy-Kurganskoy oblastnoy bol'nitsy Kazakhskoy SSR
(glavnyy zasluzhenny vrach Kazakhskoy SSR A.Ye. Upir).
(NEPHRITIS,
chronic, without hypertension (Rus))

URINSON, Yu.P.; GOL'DBERG, V.A. (Leningrad)

Observations of a case of Felty's syndrome treated by splenectomy. Klin.med.33 no.7:84-87 J1 '55.(MLR 3:12)

1. Iz fakul'tetskoy terapevticheskoy kliniki (dir.-prof. T.S.Istomanova) i Leningradskogo meditsinskogo instituta imeni akad. I.P.Pavlova.

(ARTHRITIS, RHEUMATOID,

Felty's synd. surg., splenectomy)

(SPLEEN, surgery,

excis. in Felty's synd.)

GOL'DBERG, V.A.

Case of a leukemoid reaction in a woman with chronic anhypertonic
nephritis. Sov.med. 26 no.12:100-102 D '62. (MIRA 16:2)

1. Glavnyy terapevt Aktyubinskogo oblastnogo otdela zdravookhra-
neniya.

(KIDNEYS—DISEASES) (LEUKEMIA)

GOLDBERG, V.A.

Cases of grave eosinophilia. (1961, 1962, 1963, 1964, 1965).
no. 161 '65. (Y 11 18-12)

1. Zapadnokavkazskiy fragment (Z.K.F.F.),
Akt'yubinsk.

ACC NR: AP7003010

SOURCE CODE: UR/0413/66/000/024/0157/0157

INVENTORS: Raykhman, Ya. A.; Gol'dberg, V. K.; Kirilyuk, N. I.; Lopato, G. P.;
Buznikov, Yu. N.; Shilik, K. K.

ORG: none

TITLE: Electronic logic unit - Logikon. Class 42, No. 150302

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 24, 1966, 157

TOPIC TAGS: logic element, electron beam, electron accelerator

ABSTRACT: This Author Certificate presents an electronic logic unit - logikon, which utilizes the switching properties of the trochoidal electron beam of a ring trochotron. To increase the response rate and to widen the logic possibilities, an electrode for switching the beam according to the input signal is placed in each chamber of the ring trochotron. To decrease the weight and dimensions, the container is made of magnetized ferroceramic.

SUB CODE: 09/

SUBM DATE: 23Nov59

33589

S/204/61/001/005/006/008
E075/E484

Oxidation of liquid hydrocarbons ...

content of alcohols in the reaction mixture rapidly passes through a maximum (5 to 6% mole), ketones accumulate in considerable quantities (up to 20% mole) and the kinetic curves do not show a maximum. It is noticeable that the greater velocities of formation of acids and CO₂, after the initial period of acceleration is finished, remain constant for a long time and do not depend on the degree of oxidation of the hydrocarbons. Energy of activation was found to be 28 kcal for the formation of CO₂, acids and conversion of n-decane. It is concluded that CO₂ formed is not a product of further oxidation and destruction of acids but forms simultaneously with an acid molecule. The experiments confirm that the retarding effect of water is connected with the formation of complexes of the hydroxyl radical with RO₂, but another possible effect is the cooling action exerted by the water of reaction which is not soluble in the reaction mixture and evaporates. This may lower the temperature of the mixture by about 20°C, which for activation energies of ca 30 kcal may give a tenfold reduction of the reaction velocity. Moreover, the complex formation between RO₂ and HOH, which also reduces the

Card 2/6 ✓

33588

S/204/61/001/005/006/008

Oxidation of liquid hydrocarbons ... EO75/E484

reaction velocity, is more pronounced at lower temperatures. The removal of formic and acetic acids may prevent the process of decomposition of hydroperoxides into ions RO^- and OH^- , thus preventing their participation in the chain reaction. The results obtained show however that after the removal of water and light acids the decomposition of hydroperoxides proceeds at the same rate as it does in the presence of water. V.K.Tsyskovskiy is mentioned in the article in connection with his contributions in this field. There are 6 figures and 11 references: 10 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Institut khimicheskoy fiziki AN SSSR
(Institute of Chemical Physics AS USSR)

SUBMITTED: October 2, 1961

Card 3/4

DANILENKO, V.D.; GLAZUNOV, I.S.; GOL'DBERG, V.M.; KINKIN, Ye.L.,
kand. geol.-min. nauk, retsenent; SEMENOVA, S.M.,
red.; EMTIN, M.L., red. izd-va; DYKOVA, V.V., tekhn. red.

[Basic principles in the exploitation and estimation of
reserves of large lenses of fresh water] Osnovnye printsipy
eksploataatsii i otsenka zapasov krupnykh linz presnykh vod.
Moskv., Gosgeol'tekhnizdat, 1962. 101 p. (MIRA 15:10)
(Water resources development)

OBUKHOVA, L.K.; GOL'DBERG, V.M.

Effect of dilution with an inert solvent on ~~the~~ process of oxidative decarboxylation of fatty acids. Izv. AN SSSR.Otd.khim,nauk no.10: 1894 0 '62. (MIA 15:10)

1. Institut khimicheskoy fiziki AN SSSR.
(Acids, Fatty) (Solvents) (Oxidation)

BABUSHKIN, V. D.; GLAZUNOV, I. S.; ~~COLLIERE, V. M.~~

Method for utilizing fresh water lenses and basic prerequisites
for estimating their reserves. Vop. gidrogeol. i inzh. geol.
no. 20-71-89 2 (MIRA 10-4)

(Turkmenistan- Water, Underground)

GOL'DBERG, V.M.; OBUKHOVA, L.K.; EMEL'NIN, N.M.

Certain features of the action of a potassium-manganese catalyst in the reaction of n-decane oxidation. Vestnikkhimii 3 no.2:229-231
Mr-Apr '62. (MIRA 15:6)

1. Institut Khimicheskoy fiziki AN SSSR.
(Decane) (Oxidation) (Catalysis)

L 16994-63

EWI(j)/EPF(c)/EWI(m)/BDS Pc-4/Pr-4 RM/WW
S/204/63/003/002/004/006

AUTHOR: Gol'dberg, V. M. and Obukhova, L.K.

TITLE: Cause of reaction rate constancy during the oxidation of n-decane

PERIODICAL: Neftekhimiya, v. 3, no. 2, 1963, 233-237

TEXT: Using the inhibitor method the rate of initiation of oxidation of n-decane to 70% conversion of the hydrocarbon at 130° was measured. Alpha-naphthol was the inhibitor used. It was found that in the auto-oxidation of n-decane the generation rate increases proportionally to the portion of reacted hydrocarbon on account of impurities. An equation is introduced to describe the kinetics of the consumption of n-decane. The value $k_2/\sqrt{k_5}$ was measured which characterizes the capability of the hydrocarbon the numerical value of which for n-decane is equal to $2.0 \cdot 10^{-3}$ l $\frac{1}{2}$ mole $\frac{1}{2}$ sec $\frac{1}{2}$. Di-tert-butyl peroxide was used as the initiator of the process. There are 5 figures.

ASSOCIATION: Institut khimicheskoy fiziki AN SSSR (Institute of Chemical Physics, Academy of Sciences USSR)

SUBMITTED: July 25, 1962

Card 1/1

ACCESSION NR: AF-032516

3/0204/64/004/002/0294/0297

AUTHOR: Golitsyn, V. M.; Gorkhova, L. K.

TITLE: Synergistic effect of potassium stearate on the inhibiting properties of manganese catalyst for the oxidation of hydrocarbons.

SOURCE: Neftokhimiya, v. 8, no. 2, 1964, 294-297

TOPIC TAGS: hydrocarbon oxidation, manganese catalyst, oxidation inhibition, potassium stearate, potassium manganese stearate inhibitor, synergism, induction period, EPR spectra, complex salt

ABSTRACT: In an earlier work the authors noted the increase in the induction period of the oxidation of n-decane when equimolar amounts of potassium stearate and manganese stearate were present (Neftokhimiya 2, 229 (1962)). This phenomenon is now more thoroughly investigated. Repeated studies show that in the oxidation of n-decane at 140°C the induction period is prolonged by the addition of potassium stearate in equimolar amount to the manganese stearate catalyst ($MnSt_2$ 90 minutes; with 1:1 KSt and $MnSt_2$, induction period increased to 50 hours). At the end of the induction period there is a rapid accumulation of the oxidation products.

Card 1/2

ACCESSION NR: AP4032516

EPR spectra indicated the existence of complex salt $KSt.MnSt_2$, which decomposes in the presence of acids such as those which accumulated as the chain oxidation proceeds. "The authors express their acknowledgement to Ya. S. Lebedev for obtaining EPR spectra and thank N. M. Emanuel for interest in the work. Orig. art. has: 4 figures and 4 equations.

ASSOCIATION: Institut Khimicheskoy fiziki AN SSSR (Institute of Chemical Physics AN SSSR)

SUBMITTED: 06Jun63

ENCL: 00

SUB CODE: GC, GP

NO REF SOV: 010

OTHER: 001

GOL'DBERG, V.M.; OBUKHOVA, L.K.

Critical phenomenon caused by the dual function of a catalyst
in an n-decane oxidation reaction. Neftekhimiya 4 no.3:456-471
Mys-Je '64. (MIRA 18:3)

1. Institut khimicheskoy fiziki AN SSSR.

ENANUEI N. V. Vozvashch. LITVINOV Yevgeny Boris'yevich:
Kaf273. Kuznetsov, Kuznetsov, Printman, Kuznetsov:
AMCHENSKIY, V. I.; KHEVNEROV, P. A.; KACILYEV, R. F.,
GAGARINA, A. S.; GIL'DBERG, V. M.; KAIROV, S. Ye.; DORIKOV,
Yu. D.; OLUKHOVA, L. K.; TSEKLOV, V. S.; SHLYAPINTOKH,
V. Ya. SHIBIDA, I. I.; Red.

[Oxidation of the liquid phase of carbons in the liquid
phase] Isopropyl alcohol. Oxidation of carbons in
the liquid phase. Moscow, Nauka, 1974. 374 p. (MIRA 18.8)

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(XIRA 08:12)

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FROLOV, N.M.; AVER'YEV, V.V.; DUKHIN, I.Ye.; LYUBIMOVA, Ye.A.: Prinizali uchastiye: GOL'DBERG, V.M.; MAVRITSKIY, B.F.; SEDOV, N.V.; YAZVIN, L.S.; KUTASOV, I.M.; STARIKOVA, G.N.; KORTSENSHTEYN, V.N., red.

[Methodological instructions for studying thermal waters in boreholes.] Metodicheskie ukazaniya po izucheniyu termal'nykh vod v skvashinakh. Moskva, Nedra, 1964. 139 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii. Trudy, no.17). (MFA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii, Moskva (for Frolov, Gol'dberg, Mavritskiy, Sedov, Yazvin). 2. Institut vulkanologii Sibirskogo otdeleniya AN SSSR (for Aver'yev). 3. Institut merzlotovedeniya AN SSSR (for Dukhin). 4. Institut fiziki Zemli AN SSSR (for Lyubimova, Kutasov, Starikova).

20-4-2/60

AUTHOR: Gol'dberg, V.E.

TITLE: On the Perturbation of Linear Operators with a Purely Discrete Spectrum (O vozmushchenii lineynykh operatorov s chisto diskretnym spektrom)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 115, Nr 4, pp. 643-645 (USSR)

ABSTRACT: The present paper investigates the dependence of the eigenvalues and the eigenelements of the unlimited operator $H_\varepsilon = \varepsilon V + H_0$ ($\varepsilon \geq 0$) with the definition domain in the Hilbert space G of the small parameter ε . In this connection H_0 signifies a linear unlimited operator, V - a linear unlimited operator with a narrower definition domain than H_0 . Typical examples for such perturbations are the examples, known in physics, of differential operators which contain a small parameter in the highest differential. The general theorems proved here are then applied to some differential operators. D_0 signifies the definition domain of the operator H_0 . $D_1 \subset D_0$ be valid and D_1 be dense everywhere in G . The following may apply: 1.) $(V\phi, \phi) \geq 0$; 2.) The operator H_ε ($\varepsilon \geq 0$) be self-

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16(1)

AUTHOR: Gol'dberg, V.N.

SOV/20-124-3-4/67

TITLE: On the Existence, Uniqueness and Correctness of the Solution of a Non-Linear Problem (O sushchestvovanii, yedinstvennosti i korrektnosti resheniya odnoy nelineynoy zadachi)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, No 3, pp 513 - 516 (USSR)

ABSTRACT: In the rectangle $\bar{\Pi}_T: 0 \leq x \leq 1, 0 \leq t \leq T (T < +\infty)$ a twice continuously differentiable solution of the problem

$$L[u] = u_{xx} - u_{tt} - 2\mu u_t = 0$$

$$(1) \quad u(x, 0) = \varphi(x), \quad u_t(x, 0) = \psi(x)$$

$$u_x = -2\mu \Delta(1-u^2)u_t \text{ for } x = 0, \quad \Delta > 0, \mu > 0, B \neq 0$$

$$u_x + Bu_{tt} = -2\mu Bu_t \text{ for } x = 1, \quad 1 - 2\mu \Delta > 0$$

is sought.

Theorem: Let be

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On the Existence, Uniqueness and Correctness
of the Solution of a Non-Linear Problem

SOV/20-124-3-4/67

$$\varphi(x) \in C^2[0,1], \psi(x) \in C^1[0,1] \text{ and}$$

$$\varphi'(0) = -2\mu\Delta(1 - \varphi^2(0))\psi(0)$$

$$\psi'(0) = 4\mu\Delta\varphi(0)\varphi^2(0) - 2\mu\Delta(1 - \varphi^2(0))(\varphi''(0) - 2\mu\varphi(0))$$

$$\varphi'(1) + \beta\varphi''(1) = 0$$

Then there exists a solution of (1) and is unique in $\overline{\Pi}_\beta$.

Theorem: To every $\varepsilon > 0$ there exists a $\delta(\varepsilon) > 0$ so that for two solutions u_1 and u_2 which correspond to the functions

φ_1, ψ_1 and φ_2, ψ_2 it holds: $\|u_1 - u_2\| < \varepsilon$, if

$$\|\varphi_1 - \varphi_2\| < \delta \text{ and } \|\psi_1 - \psi_2\| < \delta.$$

The author thanks O.A. Oleynik for valuable indications.

On the Existence, Uniqueness and Correctness
of the Solution of a Non-Linear Problem

SOV/20-124-5-4/61

There are 4 Soviet references.

ASSOCIATION: Gor'kovskiy gosudarstvennyy universitet imeni N.I.
Lobachevskogo (Gor'kiy State University imeni N.I. Lobachevskiy)

PRESENTED: October 8, 1958, by S.L. Sobolev, Academician

SUBMITTED: October 8, 1958

Card 3/3

16(1)

AUTHOR: Gol'dberg, V.N.

S.W./10-127-5-3/56

TITLE: On Non-Linear Mixed Problems for Equations of Hyperbolic Type

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 127, No. 5, pp. 949-952 (USSR)

ABSTRACT: The author considers the problem

$$(1) \quad u_{xx} - u_{tt} + a(x,t)u_x + b(x,t)u_t + c(x,t)u = \\ = -e(x,t) - \sigma F(x,t,u,u_x,u_t)$$

with the boundary condition for $x = i (i=0,1)$:

$$(2) \quad A_i u_x + B_i u_t + C_i u + G_i(t) + \sigma f_i(t,u,u_x,u_t) = 0$$

and with the initial condition for $t=0$:

$$(3) \quad u(x,0) = \varphi_0(x,u), \quad u_t(x,0) = \varphi_1(x,u).$$

It is assumed that A_i, B_i, C_i are constants, $G_i(t) \in C_1[0,1]$; f_i is two times continuously differentiable in $D_0 =$

$$= \left\{ 0 \leq t \leq 1, -\infty < u, u_x, u_t < \infty \right\}; F \text{ is two times con-}$$

Card 1/2

On Non-Linear Mixed Problems for Equations
of Hyperbolic Type

SV/20-127-5-3/58

tinuously differentiable in $G = \{0 \leq x \leq 1, 0 \leq t \leq 1\}$; $a, b, c \in C_2(\bar{G}_1)$;
 $e \in C_1(\bar{G}_1)$, $\bar{G}_1 = \{0 \leq x \leq 1, 0 \leq t \leq 1\}$; $\mu_i \leq 1$;
 $B_i = (-1)^i A_i \neq 0$. Under a further assumption (4) it is
proved that the problem (1) - (3) for sufficiently small α in
the rectangle G_1 possesses a unique solution which is two
times continuously differentiable and continuously depending
on the initial conditions.
Altogether the author gives 3 theorems and 2 lemmata.
There are 3 Soviet references.

ASSOCIATION: Issledovatel'skiy fiziko-tekhnicheskiy institut Gor'kovskogo
gosudarstvennogo universiteta imeni N.I. Lobachevskogo
(Physico-Technical Research Institute of the Gor'kiy State
University imeni N.I. Lobachevskiy)

PRESENTED: April 27, 1959, by S.L. Sobolev, Academician

SUBMITTED: April 27, 1959

Card 2/2

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S/029/60/135/002/004/036
 0111/0222

16.3500

AUTHORS: Neymark, Yu.I., and Gol'dberg, V.N.

TITLE: Existence Theorems for Nonlinear Mixed Problems

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 135, No. 2,

pp. 262 - 265

TEXT: Problem I : Determine in the strip $\Pi_T = \{ 0 \leq x \leq 1, 0 \leq t \leq T \}$ an n_0 times ($n_0 = \max(2, n)$) continuously differentiable solution $u(x, t)$ of the problem

$$(1) \quad u_{xx} - u_{tt} = -f(x, t, u, u_x, u_t, \mu)$$

$$(2) \quad \sum_{j=0}^n \sum_{k+l=n} \alpha_{k,l}^{(i,j)}(t, \mu) \frac{\partial^{(n)} u}{\partial x^k \partial t^l} \Big|_{x=j} = \varphi_i(t, \dots, D^{(s)} u) \Big|_{x=0},$$

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$$D^{(s)} u \Big|_{x=1, \dots, \mu} ; \quad i = 1, 2, ; \quad 0 \leq s \leq n-1$$

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Existence Theorems for Nonlinear Mixed Problems S/020/60/135/002/004/036
0111/0222

$$(3) \quad u(x,0) = \varphi_0(x, \mu), \quad u_t(x,0) = \psi_1(x, \mu)$$

Problem II : Determine in $\bar{\Pi}_T$ an n_0 times continuously differentiable solution of

$$(4) \quad u_t - u_{xx} = f(x, t, u, u_x, \mu)$$

$$(5) \quad \sum_{j=0,1} \sum_{k+2l=n} \lambda_{k,l}^{(i,j)}(t, \mu) \frac{\partial^{(n)} u}{\partial x^k \partial t^l} \Big|_{x=j} = \varphi_1 \left(t, \dots, \frac{\partial^{(s)}(u)}{\partial x^p \partial t^q} \Big|_{x=0} \right), \quad \checkmark$$

$$\frac{\partial^{(s)} u}{\partial x^p \partial t^q} \Big|_{x=1}, \dots, \mu \Big), \quad s=1,2; \quad 0 \leq p+2q \leq n-1$$

$$(6) \quad u(x,0) = \varphi_0(x, \mu).$$

Under the assumption that the functions f, φ_1, ψ_1 and the coefficients λ as well as their derivatives satisfy certain conditions, the author prove the

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Existence Theorems for Nonlinear Mixed Problems 7/010/01/115/002/004/036
0111/0223

existence of the solutions in the large, the uniqueness of them and the continuous dependence on the parameter and differentiability with respect to the parameter, with the aid of the method used in [Ref. 11] for questions of stability (theorems 1-3). Then it is shown that if the derivatives u_{x_i} are understood as components of a vector $\underline{u}(x,t)$, then the problems can be reduced to a system of integral equations which, with the aid of a certain "dynamic" operator Ω , is written in the form

$$(8) \quad \underline{u} = \Omega \underline{u}.$$

The theorems 4-6 contain assertions of existence and uniqueness as well as assertions on the continuous dependence of \underline{u} and differentiability with respect to μ for the solutions of (8). Then the theorems 1-3 follow from the theorems 4-6. - There are 12 Soviet references.

ASSOCIATION: Gor'kovskiy issledovatel'skiy fiziko-tekhnicheskiy institut Gor'kovskogo gosudarstvennogo universiteta imeni N.I. Lobachevskogo (Gor'kiy Physical Technical Research Institute of the Gor'kiy State University imeni N.I. Lobachevskiy)

PRESENTED: June 3, 1960, by S.L. Sobolev, Academician SUBMITTED: May 30, 1960
Card 3/3

GOLDBERG, V.N.: NEYMARK, Yu.I. (Gorkiy)

Correct formulation of a nonlocal mixed problem for a wave
function on a plane. Mat. Sb. 67:10.1.16-54. My '65.

(MIRA 18:5)

GOL'DBERG, V.N. (Kiyev, 100, ul. Ivanovo-Voznesenskaya, d.56, kv.51)

Surgical treatment of tumors and cysts of the mediastinum. Nov.khir.
arkh. no.6:39-45 N-D '59. (MIRA 13:4)

1. Kafedra torakal'noy khirurgii (zaveduyushchiy - prof. N.M. Amosov)
Kievskogo instituta tuberkuleza.
(MEDIASTINUM---SURGERY) (TUMORS) (CYSTS)

GOL'DBERG, V.N.; POPOVA, M.M.

Angiography in the diagnosis of tumors and cysts of the mediastinum.
Vrach.delo no.12:1299-1303 D '59. (MIRA 13:5)

1. Klinika torakal'noy khirurgii (zav. - prof. N.M. Amosov) Ukrain-
skogo nauchno-issledovatel'skogo instituta tuberkuleza.
(ANGIOGRAPHY) (MEDIASTINUM--TUMORS)

GOL'DBERG, V. N., Cand Med Sci -- "Clinic, diagnosis, and surgical treatment of tumors and cysts of the mediastinum." Stalino, 1961 (Stalino State Med Inst im A. M. Gor'kiy). (KL, 4-61, 208)

GOL'DBERG, V.N.

Simultaneous wound of the right ventricle of the heart and of the stomach. Khirurgiia no.5:71 My '54. (MLRA 7:7)

1. Iz bol'nitsy No.4 Mediko-sanitarnogo otdela Ministerstva zdravookhraneniya SSSR.

(STOMACH, wounds and injuries,

*with heart wds.)

(HEART, wounds and injuries,

*right ventricle, with stomach wds.)

(WOUNDS AND INJURIES,

*heart, right ventricle, with stomach wds.)

GOL'DBERG, V.N.

Ileocecal invagination following appendectomy. Vrach.delo no.8:
867-869 Ag '57. (MLRA 10:8)

1. Khirurgicheskaya klinika (zav. - zasl. deyatel' nauki, professor
A.K.Gorchakov) stomatologicheskogo fakul'teta Kiyevskogo meditsin-
skogo instituta

(APPENDIX (ANATOMY)-- SURGERY)

(INTESTINES--INTUSSUSCEPTION)

GOL'DBERG, V.N.

Bronchogenic cysts in the mediastinum and their surgical treatment.
Grud. khir. 3 no.1:71-76 Ja-F '61. (MIRA 16:5)

1. Iz kliniki grudnoy khirurgii (zav. - prof. N.M.Amosov) Ukrainского
nauchno-issledovatel'skogo instituta tuberkuleza (dir. - dotsent
A.S.Mamolat).

(CYSTS) (MEDIASTINUM--TUMORS)

GOL'DBERG, V.M., kand.med. nauk

Electrokymography in the diagnosis of mitral defects. Kardio-
logiia 5 no.2:27-35 '63 (MIRA 17:2)

1. Iz kliniki torakal'noy khirurgii (zav. - chlen-korrespon-
dent AN SSSR N.M. Amosov) Ukrainskogo nauchno-issledovatel'-
skogo instituta tuberkuleza i grudnoy khirurgii (dir. -
dotsent A.S. Mamolat).

SIDARENKO, I.N. (Kiyev, 110, Nevostroitel'naya ul., d.29, kv.5); CHEPKIY, I.F.;
GOL'DBERG, V.N.

Some aspects of the use of corticosteroids in heart surgery. Grud. i
khir. 6 no.4:68-73 JI-Ag '64. (MIRA 18-4)

1. Klinika serdечно-сосудистой хирургии (научный консультант -
член-корреспондент АМН СССР проф. Н.М.Амосов) Украинского
научно-исследовательского института туберкулеза и грудной
хирургии имени Ф.Г.Яковського (дир. - доктор А.С.Мамчат), Киев.

AMOSOV, N.M.; GOLDBERG, V.N.; KIL'KIN, Yu. N.; LAPENEC, L.N.; CHEPKIN,
L.P.

Mitral valve prosthesis. Vest. AMN SSSR 18 no.9-18 '63.
(MIRA 17:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut tuberkuleza i
grudnykh bolezni.

GOL'DBERG, V.N., kand. med. nauk (Kiyev)

Use of electrokymography in the diagnosis of heart diseases.
Vrach. delo no.1:42-46 Ja'64 (MIRA 17:3)

1. Klinika torakal'noy khirurgii (zav. - chlen-korrespondent
AMN SSSR, prof. N.M.Amosov) Ukrainskogo nauchno-issledovatel'-
skogo instituta tuberkuleza i grudnoy khirurgii.

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R000515620005-7
CIA-RDP86-00513R000515620005-7"

GOLUBCHIK, Vera Nikolaevna; KHAZANETS, S.M., red.

[If the heart stops...] taken on film...
Kyiv, Nashova nanka, 1968. (11.11.77)

YAKIMETS, L.S.; GOLDBERG, N.I.

Role and place of tracheotomy in the present-day treatment
of acute respiratory insufficiency following heart surgery.
Sov.med. 26 no.11:11-17, 1965. (MIRA 18:12)

1. Klinika kardiologii i kardiologii (Sov. - N.K.M. Sidorov &
L.N. Sidorovskiy, kardiologii i kardiologii - kardiologii
AMN SSSR prof. N.M. Anan'ev) kardiologii i kardiologii
kardiologii i kardiologii i kardiologii kardiologii (kardiologii
kardiologii A.S. Mamonov), Riga.

GOL'DBERG, V.O.

Twenty years of the Soviet public health system of Estonia. Sov.
zdrav. 19 no.12:3-7 '60. (MIRA 14:3)

1. Ministr zdravookhraneniya Estonskoy SSR.
(ESTONIA---PUBLIC HEALTH)

RADOVITSKIY, Vladimir Petrovich; GOL'DBERG, Vladimir Sergeyevich;
GRIMOVA, T.G., red.; TRISHINA, L.A., tekhn. red.

[Ways of the automation of doffing on spinning machines]
Puti avtomatizatsii s"ema na priadil'nykh mashinakh. Mo-
skva, Rostekhzdat, 1963. 47 p. (MIRA 16:7)
(Spinning machinery) (Automation)

GOL'DBERG, V. V.

GOL'DBERG, V. V. — "Evacuation Valve for Hydrostatic Litholpaxy and Aspiration Lavage of the Open Organs of the Body. (Theory, Apparatus, Technique, and Results of Interferences.)" Latvian State U, 1949 (Dissertation for the Degree of Candidate of Medical Sciences)

SO: Izvestiya Ak. Nauk Latvyskov SSR, No. 9, Sept., 1955

GOL'DBERG, V.V.

Litholapaxy with aspirating irrigator. Khirurgiia, Moskva No.2:
69-70 Feb 51. (CIAML 20:6)

1. Of the Department of Faculty Surgery (Head--Prof.P.I.Stradyn'),
Riga Medical Institute (Director--Prof.E.M.Burtniyek) and of the
Urological Clinic (Head--V.V.Gol'dberg), First Riga Municipal Clin-
ical Hospital.

GOL'DBERG, V.V.

X-ray diagnosis of cancer of the prostate. Urologia no.3:24-37
J1-S '55. (MLRA 8:10)

1. Iz urologicheskogo otdeleniya (zav. V.V.Gol'dberg) 1-y
Rizhskoy gorodskoy klinicheskoy bol'nitsy (glavnyy vrach
E.V.Cherepovich)
(PROSTATE, neopl.
diag. x-ray)

GOL'DBERG, V.V., kandidat meditsinskikh nauk

Technic and results of suprapubic transvesical adenomectomy with a
primary blind suture of the bladder. Urologiia 21 no.1:3-10 Ja-Mr '56.
(MLRA 9:12)

1. Iz urologicheskogo otdeleniya (zav. - kandidat meditsinskikh nauk
V.V.Gol'iberg) 1-y Rizhskoy gorodskoy klinicheskoy bol'nitsy (glavnyy
vrach E.V.Cherepovich)

(BLADDER, neoplasms
adenoma, surg., technic & results)

GOLDBERG, V.V. (Riga)

First Republic Conference of Urologists of the Latvian S.S.R. Urologia
21 no.3:74-75 J1-S 1956. (MLRA 9:12)
(GENITOURINARY ORGANS--DISEASES)

GOLDBERG, V.V. (Riga)

Second Conference of Latvian Urologist. Urologia 23 no.5:84
S-O '58 (MIRA 11:11)
(LATVIA--UROLOGY--SOCIETIES)

GOL'DBERG, V.V., kand. med. nauk.

Result of use of furadonin (F-30) in nonspecific inflammatory diseases of the bladder. Urologiia 24 no.1:46-49 Ja-F '59. (MIRA 12:1)

1. Iz urologicheskogo otdeleniya (zav. - kand. med. nauk. V.V. Gol'dberg)
I-y Rizhskoy gorodskoy klinicheskoy bol'nitsy.

(URINARY TRACT, dis.

nonspecific inflamm. ther. nitrofurantoin (Rus))

(NITROFURANTOIN, ther. use.

urinary tract inflamm., nonspecific (Rus))

GOL'DBERG, V.V. (Riga, ul. Kirova, d.14, kv.8)

Subfascial extracapsular nephrectomy in hypernephroid cancer
of the kidneys. Vest.khir. no.8:106-116 1971. (MIR: 14-3)

1. Iz urologicheskogo otdeleniya (zav. - V.V. Gol'dberg) i
Riznskoj gorodskoj klinicheskoy bol'nitsy (gl. vrach - K.F.
Bergman).

(KIDNEYS--CANCER) (KIDNEYS--SURGERY)

GOL'DBERG, V.V.; ZAKHAROVA, A.T. (Riga)

Report on the activities of the Latvian Urological Society in 1958.
Urologia 24 no.4:78 Jl-Ag '59. (MIRA 12:12)
(LATVIA--UROLOGICAL SOCIETIES)

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NOV/1955-58-6-17/36

5740

Gol'dberg, V.V.

TITLE: On a Special Case of the Congruence of Walsh

PERIODICAL: Nauchnyye doklady vysshey shkoly. Fiziko-matematicheskiye nauki,
1958, Nr 6, pp 108-110 (USSR)

ABSTRACT: The congruence considered in the present paper is a special case of the congruence of Walsh in which to the asymptotic lines of the second focal surface there correspond the lines of curvature of the first focal surface. This congruence can be obtained from that of Walsh by demanding the orthogonality of the conjugate system on the first focal surface. Furthermore it is shown: an arbitrary congruence for which the lines of curvature of the first focal surface correspond to the asymptotic lines of the second focal surface depends on four functions of one argument.

The author thanks Professor S.P. Finikov for assistance.
There is 1 Soviet reference.

ASSOCIATION: Moskovskiy pedagogicheskiy institut imeni V.F. Potemkina
(Moscow Pedagogical Institute imeni V.F. Potemkin)

DATE: October 2, 1955

Card 1/1

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S/020/60/132/01/05/064

16.5600

AUTHOR: Gol'dberg, V.V.

TITLE: Conjugated Nets With Parabolic Congruences of Axes

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 1, pp. 24-27

TEXT: The intersection line of the tangential planes of the two first Laplace transforms (A_1) and (A_2) of a conjugated net (A_0) is called the first axis, the straight line connecting the two points A_1 , A_2 is called the second axis of (A_0). The author considers nets (A_0) with parabolic congruences of axes. With the aid of methods of E. Cartan the author obtains a series of geometrical properties of the considered figures. He gives necessary and sufficient conditions that a congruence of axes is parabolic. One-sided fibreing of pairs of congruences are investigated. The results partially overlap with those of Mihailescu (Ref. 2). The author thanks Professor S.P. Finikov for remarks concerning the paper. There are 4 references: 1 Soviet, 1 American, 1 Roumanian and 1 French.

ASSOCIATION: Moskovskiy gorodskoy pedagogicheskiy institut imeni V.P. Potemkina (Moscow Municipal Pedagogical Institute imeni V.P.

POTEMKIN)

PRESENTED: December 30, 1959, by P.S. Aleksandrov, Academician

SUBMITTED: December 29, 1959

Card 1/1

GOL'DBERG, V.V.

Family of axial planes of a two-dimensional surface in four-dimensional projective space and some problems connected with this family. Dokl.AN SSSR 133 no.1:16-19 J1 '69. (MIRA 13:7)

1. Moskovskiy gorodskoy pedagogicheskiy institut imeni V.P. Potemkina. Predstavleno akademikom P.S.Aleksandrovym.
(Geometry)

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S/020/60/114/004/027/036XX
C111/0333

AUTHOR: Goldberg, V.V.

TITLE: L - Nets and L - Sequences of an N - Dimensional Projective Space¹²PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 134, No. 4,
pp. 757 - 760

TEXT: The paper is a development of (Ref. 2,3).

Let the straight line in which the $(n+1)$ -dimensional osculating planes of the net curves through the point A intersect themselves be denoted as the axis of the conjugate net (A_i) of a P_{2n+1} in the point A_i . (A_i) is called

$L_{n,n}^{2n+1}$ net, if the planes $[A_{i+1}, A_{i+2}, \dots, A_{i+n+1}]$ and $[A_{i-1}, A_{i-2}, \dots, A_{i-n-1}]$ intersect for each of its points. The point of inter-

section is called associated to the point A_i and the surface described by

it is called associated to the net (A_i) . The nets $L_{n,n}^{2n+1}$ exist with an

arbitrary function of 2 arguments.

Theorem: If two consecutive nets (A_i) and (A_{i+1}) of the sequence $\{A\}$ be-

Card 1/4

L-Nets and L-Sequences of an N-Dimensional
Projective Space

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C111/C333

long to the class of the $L_{n,n}^{2n+1}$ nets, then all other nets of the sequence belong also to this class.

Laplace sequences of $L_{n,n}^{2n+1}$ nets are called $L_{n,n}^{2n-1}$ sequences; they are determined up to $8n - 2$ functions of one argument. Characteristic criteria of these sequences: 1.) the grid on one of the associated surfaces which corresponds to the focal net must be conjugate; 2.) the associated surfaces themselves form an

$L_{n,n}^{2n+1}$ - Laplace sequence

(associated sequence),

The $L_{n,n}^{2n}$ nets and sequences are then defined in a somewhat varied way.

The author gives special classes of $L_{n,n}^N$ sequences for which the dimensions of the planes giving the associated points are smaller, e.g.

$L_{n-k,n-1}^N$, $L_{n-k,1}^N$, $L_{1,1}^N$.

Card 2/4

86L01

L-Nets and L-Sequences of an N-Dimensional
Projective Space

S/020/60/134/004/027/036XX
C111/C333

In the P_N the author considers a fixed hyperplane P_{N-1} . Let B_i the point of intersection of the ray $A_i A_{i+1}$ with this hyperplane. The Laplace sequence $\{A\}$ of the P_N is transformed into the Laplace sequence $\{B\} \dots (B_{-n}) \dots, (B_{-1}), (B_0), (B_1) \dots (B_n) \dots$ of the space P_{N-1} .

Let $\{A\}$ be an $L_{n,n}^N$ -sequence. The sequence $\{B\}$ of the P_{N-1} is an $L_{n-1,n-1}^{N-1}$ -sequence, if and only if the sequence associated to the $L_{n,n}^N$ -sequence $\{A\}$ in the P_N is immersed in P_{N-1} . Under this mapping the special classes are transformed into special ones: e.g. $L_{n-k,n-1}^N$ passes over into the

$L_{n-k-1,n-1-1}^{N-1}$ -sequence ; $L_{n-k,1}^N$ into the $L_{n-k-1,1}^{N-1}$ -sequence.

In all these cases the sequences $\{A\}$ and $\{B\}$ have common associated sequences.

Card 3/4

86401

L-Nets and L-Sequences of an N-Dimensional
Projective Space

3/020/5C/134/004/027/036XX
C111/C533

There are 3 references. : 2 Soviet and 1 French.

[Abstracter's note : (Ref. 2) is a paper of the author in Doklady Akademii nauk, Vol. 133, No. 1 ; (Ref. 3) is a paper of the author in Uspekhi matematicheskikh nauk 1960, vyp 5]

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Card 4/4

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